FORM PTO-1595 1-31-92	01-29-2001       U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office         101597488       Docket No. AT9-99-113         2. Name and address of receiving party(ies): Name:
1. Name of conveying party(ies):         Jose M. Nunez; and	2. Name and address of receiving party(ies):     Name: International Business Machines Corporation
Jose M. Nunez; and	Name: International Business Machines Corporation
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes Mo	City Armonk     State     NY     ZIP     10504       Additional name(s) & address(cs) attached?     Ycs     Ycs     No
3. Nature of Conveyance:	
Assignment Merger Security Agreement Change of Name Other Corrected cover sheet for previously recorded assignment (Reel/Frame: 009982/0578) to correct last name of inventor Petersen.	
Execution Date: 05/20/99	
A. Patent Application No. <u>09/315540</u> B. Patent No.(s) Additional numbers att	tached? Yes No
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved:
Attomey:Anthony V.S. England	
Name: IBM Corporation	
Address:Intellectual Property Law	
Internal Zip 4054	
11400 Burnet Road	
City         Austin         State         TX         ZIP         78758           Phone:         (512) 823-         78758         1000000000000000000000000000000000000	
	<ul> <li>7. Total fee (37 CFR 3.41):\$ 40.00</li> <li>Enclosed</li> <li>Authorized to be charged to deposit account</li> </ul>
/29/2001 DBYRNE 00000335 09315540	8. Deposit account number: 09-0447
/29/2001 DBYRNE 00000335 09315540	SE THIS SPACE
FC-5A1 40.00 0P DO NOT U	
FC:581     40.00 P     DO NOT Ut       9. Statement and Signature. To the best of my know evige and belief, the foregoing information is true at	

PATENT REEL: 011452 FRAME: 0160

· · · · · · · · · · · · · · · · · · ·	EE 3180617JUS
Be sure you are in TYPEOVER mode .n entering information. Furthermore, place checkmarks in the boxes, place the cursor to the right of the box (the cursor should be directly on the rt line of the box and blinking), and run or "play" the CHKBOX macro. You will not actually see the checkmark, although it has been inserted. {PRIVATE }FORM PTO-1595 1-31-92 RECORDATION FORM COVER SHEET	
	TS ONLY Docket No. AT9-99-113
To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Jose M. Nunez; and	Name: International Business Machines Corporation
Thomas Albert Peterson.	Internal Address:
	Street Address:New Orchard Road
Additional name(s) of conveying party(ies) attached? Yes No	
	City Armonk State NY ZIP 10504
	Additional name(s) & address(es) attached? Yes Yo No
3. Nature of Conveyance:	
Assignment	
Security Agreement Change of Name	
Other	
Execution Date: 5/20/99	
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application, the execution date of this application is: 5/20/99</li> </ol>	
A. Patent Application No.(s) B. Patent No.(s)	
Additional numbers attached? Yes Yos No	
Additional numbers attached?	
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved:1
Attomey: Anthony V.S. England	
Name: IBM Corporation	
Address:Intellectual Property Law	
Internal Zip 4054	
11400 Burnet Road	
City Austin State TX ZIP 78758	
Phone: (512) 823-	7. Total fee (37 CFR 3.41):\$ 40.00
	Enclosed
	Authorized to be charged to deposit account
	8. Deposit account number: 09-0447
DO NOT USE	E THIS SPACE
9. Statement and Signature.	
9. Statement and Signature. To the best of my knowledge and belief, the foregoing information is true and correct and any matched popy is a true copy of the original document.	
Anthony V.S. England Mrtho	Signature Date
	Total number of pages including cover sheet:
1	

OMB No. 0651-011 (exp.4/94)

.

## PATENT REEL: 011452 FRAME: 0161

## ASSIGNMENT

Whereas, we,

(1) Jose Melanio Nunez of Austin, County of Travis and State of Texas

and

(2) Thomas Albert Petersen of Austin, County of Travis and State of Texas

have invented certain improvements in a Local Cache-to-Cache Transfers in a Multiprocessor System.

and executed a United States patent application therefore on: (Date Inventor Signed Declaration) (1) 5/20, 1999; and (2) 5/20, 1999.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign application when called upon to do so by IBM.

PATENT REEL: 011452 FRAME: 0162

## IBM DOCKET NO. AT9-99-113

Thomas Albert Peterson

(1) Signed at \_\_\_\_\_\_ \_\_\_\_\_ on \_\_\_\_\_ 5/20\_\_\_\_, 1999. Jose Melanio Nunez \_\_\_\_\_ on \_\_\_\_ (2) Signed at \_\_\_\_\_\_ baa

ł

## PATENT REEL: 011452 FRAME: 0163

**RECORDED: 01/16/2001**